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(54) ELECTRIC MOTOR AND DRIVEN DEVICE THERE WITH

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent electrolytic corrosion from occurring to a bearing, by providing a voltage-dividing circuit for reducing a shaft voltage parallel to a shaft voltage part.

SOLUTION: An electric motor 11 is provided with a stator 14, comprising an iron core 13 and a winding 12, rotor 15 provided in such a way as to face the stator 14, a shaft 2 that fixes the rotor 15, a bearing 4 that supports the shaft 2 in such a way as to rotate freely, and an electric motor frame 1 that supports the stator 14 and the bearing 4. Further more a means is provided, that divides the shaft voltage that occurs to the shaft 2. Because of this structure, the shaft voltage that occurs to the shaft voltage part of the electric motor can be made small, to the extent of preventing the electrolytic corrosion, and as a result, the problem of the electrolytic corrosion can be solved.

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